1. A system for sensing data associated with fracturing a subterranean formation penetrated by a wellbore, comprising:

at least one sensor for sensing the data associated with the fracturing and for transmitting corresponding signals;

a tool adapted to be lowered into the wellbore;

a receiver mounted on the tool and adapted to receive the signals; and

means for transmitting the signals from the receiver to the ground.

2. The system of claim 1 wherein the sensor is located on the tool and/or on a wall of the wellbore.

3. The system of claim 1 wherein the signals are transmitted during or soon after the introduction of fluid into the wellbore.

4. The system of claim 1 wherein the receiver is adapted to transmit a signal to the sensor to initiate operation of the sensor.

5. The system of claim 1 wherein the means for transmitting comprises an electrical conductor.

6. The system of claim 1 wherein the sensor is located in a fracture in the formation.

7. A method of sensing data associated with fracturing a subterranean formation penetrated by a wellbore, comprising the steps of:

lowering a tool into the wellbore;

sensing data associated with the fracturing;

transmitting signals corresponding to the sensed data;

receiving the signals corresponding to the sensed data at the tool; and

transmitting signals corresponding to the received signals from the tool to the ground surface.

8. The method of claim 7 wherein at least one of the steps of sensing, transmitting the signals corresponding to the sensed data, receiving, and transmitting the signals corresponding to the received signals occurs when fluid is introduced into the wellbore.

9. The method of claim 7 further comprising the step of transmitting a signal to initiate the step of sensing.

10. The method of claim 7 wherein the step of transmitting the signals corresponding to the received signals from the tool to ground surface comprises the step of connecting the tool to an electrical conductor.

11. The method of claim 7 wherein the step of sensing data comprises sensing data with a sensor located on the tool.

12. The method of claim 7 wherein the step of sensing data comprises sensing data with a sensor located in a fracture in the formation.

13. A system for sensing data associated with fracturing a subterranean formation penetrated by a wellbore, comprising:

means located in the wellbore for sensing data associated with the fracturing and for transmitting corresponding signals;

a tool adapted to be lowered into the wellbore;

means mounted on the tool and adapted to receive the signals; and

means for transmitting the signals from the tool to the ground.

14. The system of claim 13 wherein the means for sensing data is a sensor located on the tool and/or on a wall of the wellbore.

15. The system of claim 13 wherein the signals are transmitted from the tool to the ground during or soon after the introduction of fluid into the wellbore.

16. The system of claim 13 wherein the means adapted to receive the signals is a receiver adapted to transmit a signal to initiate operation of the means for sensing data.

17. The system of claim 13 wherein the means for transmitting the signals is an electrical conductor.

18. The system of claim 13 wherein the means for sensing data is a sensor located in a fracture in the formation.